

Arizona Statewide TERM Report by CIP Program

Training & Education Resource Model

Based on 2006-2008 occupational projections, Education & Training levels 1-11 (no restrictions)

Score = average of the five percentiles, using weights 3, 3, 1, 1, 1

Rank	CIP Code	CIP Title	Percentiles						Labor Market Data					BLS Ed & Train Code
			Score	Open-ings	Wage	ONET	Growth Rate	Turn-over Ratio	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	
1	52.07	Entrepreneurial and Small Business Operations	81.2	79	94	80	61	70	581	45.88	661	3.8	2.2	4.0
2	44.04	Public Administration	81.1	82	93	74	60	69	669	43.50	651	3.7	2.2	4.2
2	52.11	International Business	81.1	78	94	81	60	70	556	46.78	664	3.7	2.2	4.0
4	14.08	Civil Engineering	80.9	71	83	95	87	85	316	34.15	708	4.9	3.4	5.0
5	60.02	Medical Residency Programs	80.0	63	100	92	57	83	208	81.78	691	3.7	3.1	1.0
6	11.01	Computer and Information Sciences, General	78.8	77	79	61	84	94	517	32.99	633	4.8	5.1	4.9
7	52.01	Business/Commerce, General	77.7	85	85	60	52	77	886	36.16	632	3.5	2.5	4.5
8	51.16	Nursing	77.4	97	56	77	81	80	3,734	23.85	657	4.6	2.7	6.3
9	51.20	Pharmacy, Pharmaceutical Sciences, and Administration	76.9	73	93	20	93	82	343	43.34	556	5.2	2.8	1.0
10	11.10	Computer/Information Technology Administration and Management (NEW)	76.6	73	77	63	84	93	353	31.93	636	4.8	4.8	4.9
11	11.04	Information Science/Studies	76.0	60	85	76	82	93	169	36.07	657	4.6	4.8	4.6
12	11.07	Computer Science	75.8	62	88	57	80	94	203	36.96	629	4.6	5.1	4.6
13	14.09	Computer Engineering, General	75.7	64	88	59	72	92	228	37.45	632	4.1	4.6	5.0
14	11.05	Computer Systems Analysis	75.5	70	72	67	91	95	298	30.35	643	5.1	5.4	4.9
15	52.02	Business Administration, Management and Operations	75.5	95	73	74	43	56	3,231	30.92	651	3.2	1.9	6.2
16	22.02	Legal Research and Advanced Professional Studies (Post-LL.B./J.D.) (NEW)	73.9	56	96	28	89	92	139	50.90	568	5.0	4.4	1.0
17	22.99	Legal Professions and Studies, Other (NEW)	73.2	57	95	27	85	90	151	49.69	567	4.8	4.2	1.2
18	51.09	Allied Health Diagnostic, Intervention, and Treatment Professions	72.9	88	53	64	88	81	1,123	22.22	638	4.9	2.8	6.6
19	22.01	Law (LL.B, J.D.)	72.7	59	95	24	79	89	165	47.07	561	4.6	4.0	1.5
20	11.09	Computer Systems Networking and Telecommunications (NEW)	71.8	51	69	87	100	100	117	29.12	679	6.1	6.3	5.0

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21	04.04	Environmental Design	71.4	47	77	76	98	97	90	32.13	654	5.8	5.8	4.9
22	52.14	Marketing	70.8	74	82	35	68	67	357	33.91	574	4.0	2.1	4.3
23	51.23	Rehabilitation and Therapeutic Professions	70.7	72	64	63	76	91	324	25.83	635	4.3	4.3	3.3
24	51.22	Public Health	69.6	58	75	91	64	71	159	31.38	691	3.9	2.2	3.9
25	04.02	Architecture	69.4	36	81	83	96	95	53	33.73	667	5.5	5.4	4.9
26	30.16	Accounting and Computer Science (NEW)	68.9	81	61	38	77	80	644	24.96	580	4.4	2.8	5.2
27	52.10	Human Resources Management and Services	68.6	85	54	36	81	85	829	22.58	575	4.6	3.6	4.9
27	52.15	Real Estate	68.6	92	80	23	34	45	1,524	33.36	560	3.0	1.7	6.5
29	15.12	Computer Engineering Technologies/Technicians (NEW)	68.4	75	66	48	56	87	375	28.00	607	3.6	3.8	5.6
30	52.16	Taxation	68.3	79	63	34	78	77	577	25.73	574	4.4	2.6	5.4
31	51.06	Dental Support Services and Allied Professions	68.1	82	49	41	92	86	657	21.17	594	5.2	3.7	8.7
32	51.05	Advanced/Graduate Dentistry and Oral Sciences (Cert, MS, PhD)	67.8	39	97	99	37	64	60	64.72	760	3.1	2.1	1.2
33	44.05	Public Policy Analysis	67.5	38	98	95	45	59	57	66.94	708	3.3	2.0	4.0
33	44.99	Public Administration and Social Service Professions, Other	67.5	38	98	95	45	59	57	66.94	708	3.3	2.0	4.0
35	26.11	Biomathematics and Bioinformatics (NEW)	67.2	52	82	46	66	90	124	34.02	601	4.0	4.2	4.8
36	52.12	Management Information Systems and Services	67.1	50	83	50	69	86	112	34.15	610	4.1	3.6	4.7
37	60.01	Dental Residency Programs	66.9	36	98	100	35	66	54	66.37	773	3.1	2.1	1.0
38	14.10	Electrical, Electronics and Communications Engineering	66.5	76	89	79	9	17	376	37.47	661	1.9	1.1	5.0
39	13.04	Educational Administration and Supervision	66.2	75	81	77	26	26	364	33.64	659	2.7	1.2	4.0
40	04.99	Architecture and Related Services, Other	66.1	31	74	81	100	100	47	31.00	663	6.0	6.0	5.0
40	14.14	Environmental/Environmental Health Engineering	66.1	48	78	57	78	79	100	32.48	629	4.5	2.7	4.9
42	51.04	Dentistry (DDS, DMD)	66.0	35	97	100	38	63	53	62.42	761	3.1	2.1	1.2
43	04.08	Architectural History and Criticism (NEW)	66.0	31	74	80	99	99	47	30.97	663	6.0	6.0	5.0
44	51.24	Veterinary Medicine (DVM)	65.6	29	87	97	82	64	41	36.74	722	4.7	2.1	1.3
44	51.25	Veterinary Biomedical and Clinical Sciences (Cert, MS, PhD)	65.6	29	87	97	82	64	41	36.74	722	4.7	2.1	1.3

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46	19.02	Family and Consumer Sciences/Human Sciences Business Services	65.5	80	64	33	53	71	597	26.66	572	3.5	2.3	5.9
47	04.06	Landscape Architecture	65.5	30	80	68	98	96	43	33.35	644	5.6	5.5	4.8
48	51.12	Medicine (MD)	65.4	19	99	85	64	84	26	67.92	672	3.9	3.3	1.0
48	51.19	Osteopathic Medicine/Osteopathy (DO)	65.4	19	99	85	64	84	26	67.92	672	3.9	3.3	1.0
50	40.06	Geological and Earth Sciences/Geosciences	65.3	42	72	73	90	83	68	30.21	651	5.1	3.3	2.8
51	51.27	Medical Illustration and Informatics	65.2	51	77	44	65	92	119	32.46	597	3.9	4.3	5.3
52	52.99	Business, Management, Marketing, and Related Support Services, Other	64.8	90	61	38	53	42	1,281	24.57	580	3.6	1.6	9.3
53	60.03	Veterinary Residency Programs	64.7	27	84	98	85	68	35	34.28	736	4.8	2.1	1.0
54	11.99	Computer and Information Sciences and Support Services, Other.	64.6	30	70	92	93	97	44	29.55	697	5.2	5.7	5.0
55	22.03	Legal Support Services (NEW)	64.3	81	46	7	94	96	652	20.53	505	5.2	5.5	7.0
56	51.01	Chiropractic (DC)	64.2	43	90	88	36	55	70	39.13	683	3.1	1.9	1.2
57	14.19	Mechanical Engineering	64.2	71	84	68	27	16	324	35.08	644	2.7	1.0	5.4
57	52.08	Finance and Financial Management Services	64.2	96	50	6	66	69	3,552	21.28	497	4.0	2.2	8.5
59	15.08	Mechanical Engineering Related Technologies/Technicians	63.4	83	37	89	75	48	811	18.98	686	4.3	1.7	6.9
60	15.11	Engineering-Related Technologies	63.1	69	52	84	89	33	283	21.60	668	5.0	1.4	6.1
61	15.10	Construction Engineering Technologies	63.0	65	76	47	46	52	229	31.38	606	3.3	1.8	5.9
62	09.09	Public Relations, Advertising, and Applied Communication (NEW)	61.8	72	62	21	58	76	338	25.10	558	3.7	2.5	6.0
63	14.31	Materials Science	61.6	18	89	89	92	51	26	37.70	685	5.2	1.8	4.7
64	19.09	Apparel and Textiles	61.3	55	73	51	54	62	133	30.46	614	3.6	2.0	5.7
64	51.10	Clinical/Medical Laboratory Science and Allied Professions	61.3	66	54	82	69	42	249	22.49	664	4.1	1.6	5.3
66	52.19	Specialized Sales, Merchandising, and Marketing Operations (NEW)	61.1	91	53	25	47	47	1,498	22.23	562	3.3	1.7	8.9
67	14.05	Biomedical/Medical Engineering	60.5	12	86	98	75	77	20	36.61	728	4.3	2.6	4.7
68	14.21	Mining and Mineral Engineering	59.8	24	76	93	91	53	32	31.89	704	5.1	1.8	4.8

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69	01.01	Agricultural Business and Management	59.7	88	32	46	59	72	1,087	18.25	600	3.7	2.3	8.6
70	47.06	Vehicle Maintenance and Repair Technologies	59.4	93	31	56	62	43	1,772	18.18	628	3.8	1.6	7.8
71	14.35	Industrial Engineering (NEW)	58.6	61	79	67	22	21	177	32.93	640	2.5	1.1	5.0
72	11.08	Computer Software and Media Applications (NEW)	58.5	60	57	29	62	85	174	24.14	569	3.8	3.5	5.0
73	43.02	Fire Protection	58.0	77	45	99	39	19	457	20.42	754	3.1	1.1	8.7
74	14.02	Aerospace, Aeronautical and Astronautical Engineering	57.8	49	92	90	3	2	106	41.60	686	0.9	0.4	4.9
75	52.17	Insurance (NEW)	57.7	92	48	11	43	44	1,645	21.10	529	3.2	1.6	8.4
76	52.09	Hospitality Administration/Management	57.7	70	43	64	47	69	298	20.25	637	3.4	2.1	8.3
77	15.05	Environmental Control Technologies/Technicians	56.7	68	31	90	52	73	275	18.16	689	3.5	2.3	8.8
78	49.01	Air Transportation	55.7	46	75	91	26	23	84	31.04	690	2.7	1.2	7.6
78	51.15	Mental and Social Health Services and Allied Professions	55.7	84	23	33	72	78	813	17.28	572	4.1	2.6	6.4
80	51.08	Allied Health and Medical Assisting Services	55.6	89	10	20	95	88	1,242	13.43	556	5.4	3.9	8.9
81	52.03	Accounting and Related Services	55.3	97	35	4	44	55	3,687	18.83	494	3.2	1.9	8.6
82	14.07	Chemical Engineering	55.1	23	86	93	48	29	30	36.45	702	3.4	1.3	4.8
83	51.17	Optometry (OD)	55.0	25	92	96	31	15	33	39.76	715	2.9	1.0	1.0
84	13.13	Teacher Education and Professional Development, Specific Subject Areas	54.7	89	33	59	35	32	1,186	18.44	631	3.1	1.3	5.2
84	15.13	Drafting/Design Engineering Technologies/Technicians (NEW)	54.7	68	50	45	61	34	268	21.30	599	3.7	1.4	7.0
86	15.02	Civil Engineering Technologies/Technicians	53.8	44	48	39	90	79	73	20.89	590	5.1	2.6	6.0
87	51.11	Health/Medical Preparatory Programs	53.6	18	69	88	76	60	26	29.04	680	4.3	2.0	2.2
88	50.04	Design and Applied Arts	53.6	69	38	37	49	74	293	19.69	579	3.4	2.4	6.5
89	51.26	Health Aides/Attendants/Orderlies	53.5	92	2	24	85	89	1,528	10.18	561	4.8	4.1	9.4
90	04.09	Architectural Technology/Technician (NEW)	53.0	53	51	41	79	46	126	21.40	594	4.6	1.7	7.0
91	46.03	Electrical and Power Transmission Installers	52.6	87	31	83	14	22	989	18.17	667	2.2	1.1	9.1
91	51.07	Health and Medical Administrative Services	52.6	96	19	9	56	62	3,569	16.89	522	3.6	2.0	8.8
93	47.02	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance	52.6	59	25	96	44	81	164	17.57	721	3.2	2.8	9.0

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94	13.12	Teacher Education and Professional Development, Specific Levels and Methods	52.4	94	20	49	30	50	2,792	16.90	608	2.9	1.7	5.3
95	14.18	Materials Engineering	52.1	40	69	52	46	41	62	29.24	616	3.3	1.6	7.0
96	43.01	Criminal Justice and Corrections	51.5	95	16	66	34	29	2,834	16.40	639	3.0	1.3	9.8
97	45.06	Economics	51.4	53	62	12	67	37	129	25.11	533	4.0	1.5	4.9
97	52.06	Business/Managerial Economics	51.4	53	62	12	67	37	129	25.11	533	4.0	1.5	4.9
99	49.02	Ground Transportation	51.4	98	14	36	28	65	3,758	15.71	575	2.8	2.1	10.4
100	26.13	Ecology, Evolution, Systematics and Population Biology (NEW)	51.3	5	91	75	54	46	15	39.20	652	3.6	1.7	3.3
101	12.04	Cosmetology and Related Personal Grooming Services	51.1	91	6	7	83	78	1,505	11.85	507	4.7	2.6	7.0
101	47.03	Heavy/Industrial Equipment Maintenance Technologies	51.1	83	16	77	55	32	675	16.11	657	3.6	1.3	9.9
103	46.02	Carpenters	51.0	94	17	75	16	35	2,390	16.59	651	2.3	1.5	9.2
104	14.33	Construction Engineering (NEW)	51.0	34	68	53	50	50	51	28.88	618	3.5	1.7	7.5
104	14.36	Manufacturing Engineering (NEW)	51.0	34	68	53	50	50	51	28.88	618	3.5	1.7	7.5
106	46.05	Plumbing and Related Water Supply Services	50.9	86	25	84	21	19	949	17.53	670	2.5	1.1	9.4
107	40.05	Chemistry	50.7	41	66	65	50	22	64	27.45	638	3.5	1.1	4.5
108	31.05	Health and Physical Education/Fitness	50.7	77	18	40	73	60	448	16.78	594	4.2	2.0	8.6
109	01.06	Applied Horticulture/Horticultural Business Services	50.4	99	7	8	77	53	6,898	11.86	510	4.4	1.8	10.7
110	51.21	Podiatric Medicine/Podiatry (DPM)	49.5	7	96	94	25	17	16	50.89	707	2.6	1.1	1.0
111	52.04	Business Operations Support and Assistant Services	48.8	99	10	5	48	57	14,750	13.45	497	3.4	1.9	10.6
112	40.08	Physics	48.6	1	85	79	63	36	11	36.08	659	3.8	1.5	2.1
113	13.10	Special Education and Teaching	48.4	65	32	46	51	47	241	18.24	600	3.5	1.7	5.0
114	52.13	Management Sciences and Quantitative Methods	48.3	44	67	43	32	28	73	28.03	595	2.9	1.3	3.1
115	04.05	Interior Architecture	47.7	22	65	56	37	75	29	27.05	628	3.1	2.4	5.5
116	04.03	City/Urban, Community and Regional Planning	47.3	39	71	55	27	14	58	29.97	627	2.7	0.9	3.1
117	14.22	Naval Architecture and Marine Engineering	46.9	2	90	92	36	18	14	38.00	697	3.1	1.1	4.5
118	51.02	Communication Disorders Sciences and Services	46.7	46	63	60	18	15	81	25.75	633	2.4	1.0	3.0
119	46.04	Building/Construction Finishing, Management, and Inspection	46.6	98	13	14	30	43	3,834	15.43	544	2.8	1.6	9.9

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120	47.01	Electrical/Electronics Maintenance and Repair Technology	46.3	85	27	45	11	24	892	17.74	600	2.0	1.2	8.2
121	13.03	Curriculum and Instruction	46.1	42	41	71	31	67	65	20.11	647	2.9	2.1	3.0
121	13.05	Educational/Instructional Media Design	46.1	42	41	71	31	67	65	20.11	647	2.9	2.1	3.0
123	12.03	Funeral Service and Mortuary Science	45.9	47	30	35	87	58	98	18.12	575	4.9	1.9	8.4
124	51.35	Somatic Bodywork and Related Therapeutic Services (NEW)	45.7	67	23	3	77	61	265	17.36	486	4.4	2.0	6.9
125	01.08	Agricultural Public Services (NEW)	45.4	52	37	28	38	76	123	19.20	569	3.1	2.5	5.7
125	51.18	Ophthalmic and Optometric Support Services and Allied Professions	45.4	63	9	18	92	82	217	13.40	552	5.2	2.9	9.8
127	14.06	Ceramic Sciences and Engineering	45.4	10	91	65	19	20	17	39.32	639	2.5	1.1	4.6
127	14.20	Metallurgical Engineering	45.4	10	91	65	19	20	17	39.32	639	2.5	1.1	4.6
129	50.03	Dance	45.0	31	51	55	95	10	46	21.46	627	5.3	0.8	7.6
130	19.07	Human Development, Family Studies, and Related Services	44.1	90	0	17	62	46	1,291	8.18	552	3.8	1.7	10.5
131	14.37	Operations Research (NEW)	43.9	33	65	47	23	30	49	27.32	606	2.6	1.3	3.0
132	15.03	Electrical Engineering Technologies/Technicians	43.2	50	55	53	8	13	109	23.74	617	1.8	0.9	6.0
133	13.11	Student Counseling and Personnel Services	42.9	69	39	23	19	23	276	19.82	560	2.4	1.2	3.0
134	11.02	Computer Programming	42.9	35	67	43	17	18	53	28.60	596	2.3	1.1	4.5
135	11.03	Data Processing	42.7	62	35	16	14	65	198	18.77	550	2.2	2.1	7.6
136	50.07	Fine and Studio Art	42.5	37	57	50	23	27	54	24.26	611	2.6	1.2	4.5
137	12.05	Culinary Arts and Related Services	42.4	100	1	1	67	11	22,156	8.66	481	4.0	0.8	10.7
138	50.06	Film/Video and Photographic Arts	41.9	43	29	69	39	52	71	17.98	647	3.2	1.8	8.0
139	45.07	Geography and Cartography	41.6	45	39	49	59	14	75	19.91	608	3.7	1.0	8.8
140	52.18	General Sales, Merchandising and Related Marketing Operations (NEW)	41.2	100	6	4	42	8	16,991	11.77	496	3.2	0.8	10.7
141	19.05	Foods, Nutrition, and Related Services	40.9	84	8	12	49	30	814	13.37	534	3.5	1.3	8.6
141	46.01	Mason/Masonry	40.9	80	19	17	18	37	626	16.85	551	2.4	1.5	9.2
143	50.01	Visual and Performing Arts, General	40.7	40	18	72	58	62	61	16.83	650	3.7	2.0	8.6
144	44.07	Social Work	40.7	64	29	23	22	44	220	17.97	559	2.6	1.6	4.9

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145	19.06	Housing and Human Environments	40.6	39	34	3	71	72	59	18.75	484	4.1	2.3	7.9
146	39.06	Theological and Ministerial Studies	40.5	4	36	86	86	74	14	18.85	674	4.9	2.4	3.0
146	39.99	Theology and Religious Vocations, Other	40.5	4	36	86	86	74	14	18.85	674	4.9	2.4	3.0
148	01.02	Agricultural Mechanization	40.4	66	24	51	17	26	247	17.50	612	2.3	1.2	7.6
149	39.07	Pastoral Counseling and Specialized Ministries	40.3	23	26	30	94	91	30	17.65	570	5.3	4.3	4.0
150	01.10	Food Science and Technology	40.1	21	34	44	88	66	26	18.73	597	4.9	2.1	5.9
151	31.01	Parks, Recreation and Leisure Studies	40.0	54	4	62	70	54	131	10.95	633	4.1	1.9	11.0
151	31.03	Parks, Recreation and Leisure Facilities Management	40.0	54	4	62	70	54	131	10.95	633	4.1	1.9	11.0
151	31.99	Parks, Recreation, Leisure and Fitness Studies, Other	40.0	54	4	62	70	54	131	10.95	633	4.1	1.9	11.0
154	12.99	Personal and Culinary Services, Other	39.9	11	78	62	9	20	19	32.47	634	1.9	1.1	8.0
155	46.99	Construction Trades, Other	39.8	93	11	9	8	27	1,862	14.32	525	1.8	1.2	9.8
156	15.07	Quality Control and Safety Technologies/Technicians	38.1	76	14	13	29	31	399	15.75	536	2.8	1.3	9.6
157	15.99	Engineering Technologies/Technicians, Other	37.9	14	45	73	45	49	23	20.34	651	3.2	1.7	6.0
158	13.15	Teaching Assistants/Aides	37.9	86	2	5	28	45	936	9.83	496	2.8	1.6	10.8
159	48.05	Precision Metal Working	37.6	87	13	25	7	6	955	15.46	561	1.6	0.7	9.3
160	42.01	Psychology, General	37.5	16	59	31	41	39	24	24.49	572	3.2	1.6	2.0
160	42.02	Clinical Psychology	37.5	16	59	31	41	39	24	24.49	572	3.2	1.6	2.0
160	42.06	Counseling Psychology	37.5	16	59	31	41	39	24	24.49	572	3.2	1.6	2.0
160	42.07	Developmental and Child Psychology	37.5	16	59	31	41	39	24	24.49	572	3.2	1.6	2.0
160	42.17	School Psychology	37.5	16	59	31	41	39	24	24.49	572	3.2	1.6	2.0
165	41.03	Physical Science Technologies/Technicians	37.4	27	26	54	73	51	35	17.72	619	4.2	1.8	7.0
166	42.20	Clinical Child Psychology (NEW)	37.0	15	60	30	39	38	24	24.54	572	3.2	1.6	2.0
167	54.01	History	36.8	21	52	52	29	31	27	21.70	614	2.8	1.3	2.5
168	52.05	Business/Corporate Communications	36.3	32	56	15	21	25	48	24.10	544	2.5	1.2	4.7
169	47.04	Precision Systems Maintenance and Repair Technologies	35.9	45	15	37	71	35	79	16.01	575	4.1	1.5	9.1
170	01.05	Agricultural and Domestic Animal Services	35.8	56	1	8	80	61	140	9.23	516	4.6	2.0	11.0
171	23.11	Technical and Business Writing	35.7	33	54	14	20	24	49	22.77	541	2.5	1.2	4.7

Rank	CIP Code	CIP Title	Percentiles						Labor Market Data					BLS Ed & Train Code
			Score	Open-ings	Wage	ONET	Growth Rate	Turn-over Ratio	Open-ings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	
172	30.19	Nutrition Sciences (NEW)	34.7	28	33	21	54	56	40	18.43	557	3.6	1.9	6.2
173	13.02	Bilingual, Multilingual, and Multicultural Education	34.5	14	28	22	74	88	24	17.91	558	4.2	3.9	5.0
173	13.14	Teaching English or French as a Second or Foreign Language	34.5	14	28	22	74	88	24	17.91	558	4.2	3.9	5.0
175	43.99	Security and Protective Services, Other	34.2	74	3	10	65	3	356	10.55	529	3.9	0.4	10.7
176	09.04	Journalism	33.9	48	22	48	13	34	100	17.14	606	2.1	1.4	7.5
177	50.05	Drama/Theatre Arts and Stagecraft	33.8	25	49	40	11	31	32	21.15	591	2.1	1.3	4.5
178	47.99	Mechanic and Repair Technologies/Technicians, Other	33.0	13	11	54	99	73	21	14.23	627	5.9	2.3	10.0
179	01.11	Plant Sciences	32.2	6	71	58	1	1	15	29.79	631	0.3	0.1	5.3
180	03.06	Wildlife and Wildlands Science and Management	32.2	0	55	87	24	12	11	23.64	676	2.6	0.9	5.5
181	01.09	Animal Sciences	31.5	4	70	58	1	0	14	29.79	631	0.2	0.1	5.3
182	39.02	Bible/Biblical Studies	31.4	8	21	2	97	98	16	16.92	481	5.6	5.8	4.9
182	39.03	Missions/Missionary Studies and Missiology	31.4	8	21	2	97	98	16	16.92	481	5.6	5.8	4.9
182	39.04	Religious Education	31.4	8	21	2	97	98	16	16.92	481	5.6	5.8	4.9
185	48.08	Boilermaking/Boilermaker (NEW)	31.1	9	46	86	24	7	17	20.48	675	2.6	0.7	9.0
186	44.02	Community Organization and Advocacy	31.0	46	38	10	6	12	85	19.61	528	1.6	0.9	8.4
187	51.31	Dietetics and Clinical Nutrition Services (NEW)	30.7	27	22	15	57	58	37	16.92	550	3.6	1.9	6.5
188	25.01	Library Science/Librarianship	30.2	19	43	69	6	8	26	20.25	647	1.6	0.8	3.0
188	25.99	Library Science, Other	30.2	19	43	69	6	8	26	20.25	647	1.6	0.8	3.0
190	23.05	Creative Writing	29.6	26	42	19	15	28	33	20.17	553	2.3	1.2	4.5
191	30.14	Museology/Museum Studies	29.5	5	39	70	32	33	14	19.87	647	2.9	1.3	3.0
192	03.05	Forestry	28.3	23	15	29	55	57	29	16.02	570	3.6	1.9	7.7
192	09.07	Radio, Television, and Digital Communication	28.3	24	47	39	0	3	31	20.63	590	-0.3	0.4	6.3
194	09.99	Communication, Journalism, and Related Programs, Other	28.2	22	44	18	13	25	28	20.32	553	2.2	1.2	4.6
195	10.03	Graphic Communications (NEW)	28.2	67	12	8	5	6	251	14.39	515	1.5	0.7	9.6
196	16.01	Linguistics Comparative, and Related Language Studies and Services	27.3	2	46	27	33	41	12	20.59	565	2.9	1.6	4.2
197	25.03	Library Assistant	26.7	62	7	13	16	5	190	12.30	539	2.3	0.5	8.2

Rank	CIP Code	CIP Title	Percentiles						Labor Market Data					BLS Ed & Train Code
			Score	Openings	Wage	ONET	Growth Rate	Turn-over Ratio	Openings	Hourly Wage	ONET Score	Growth Rate	Turn-over Ratio	
198	23.04	English Composition	26.6	13	40	19	25	36	23	19.93	554	2.6	1.5	4.2
199	01.04	Agricultural and Food Products Processing	26.3	58	5	26	12	11	153	11.41	565	2.1	0.8	10.4
200	15.06	Industrial Production Technologies/Technicians	26.2	11	42	72	4	4	18	20.11	649	1.0	0.5	6.0
200	15.15	Engineering-Related Fields (NEW)	26.2	11	42	72	4	4	18	20.11	649	1.0	0.5	6.0
202	48.07	Woodworking	26.1	61	8	26	2	1	177	12.90	564	0.3	0.2	9.4
203	01.03	Agricultural Production Operations	26.0	78	0	0	0	0	545	8.03	465	-0.5	0.0	10.9
204	03.02	Natural Resources Management and Policy	24.5	12	27	82	12	9	21	17.85	664	2.1	0.8	5.8
205	15.04	Electromechanical Instrumentation and Maintenance Technologies/Technicians	24.2	37	12	42	15	13	54	15.19	594	2.2	0.9	8.3
206	11.06	Data Entry/Microcomputer Applications (NEW)	23.8	57	9	6	4	5	143	13.41	505	1.4	0.6	10.0
207	09.01	Communication and Media Studies	23.6	28	30	15	8	16	41	18.08	549	1.9	1.0	5.4
208	10.02	Audiovisual Communications Technologies/Technicians (NEW)	23.2	49	8	34	2	2	105	12.96	574	0.8	0.4	9.9
209	03.01	Natural Resources Conservation and Research	20.9	6	24	78	10	10	16	17.48	659	2.0	0.8	5.8
209	03.99	Natural Resources and Conservation, Other	20.9	6	24	78	10	10	16	17.48	659	2.0	0.8	5.8
211	09.10	Publishing (NEW)	19.3	1	47	16	5	7	11	20.69	550	1.6	0.7	5.0
212	48.03	Leatherworking and Upholstery	18.6	32	5	0	33	23	47	11.70	381	2.9	1.1	9.0
213	41.01	Biology Technician/Biotechnology Laboratory Technician	18.4	3	15	42	23	48	14	15.77	595	2.6	1.7	6.0
214	45.01	Social Sciences, General	13.1	0	17	39	15	15	10	16.51	585	2.2	1.0	6.0

Explanations for Each Column of the TERM Report		
Column		Explanation
A	Rank	This is the rank of the CIP (Classification of Instructional Program) by percentile score as shown in column D. Tie scores get tie ranks. Sometimes scores appear to be a tie, but if carried out to more decimal places, are not. Such CIPs are not assigned tie ranks.
B	CIP Code	CIP (Classification of Instructional Programs) code as assigned by the U.S. Department of Education. See Sources note below for more details.
C	CIP Title	The title of the training program, as assigned by the U.S. Department of Education Classification of Instructional Programs.
D	Score	The score is a weighted average of columns E through I. The weights used are 3, 3, 1, 1, 1, respectively. See Calculation Method note below for more details.
E-I	Percentiles	These 5 columns are the percentile scores of the data in columns J through N. Percentiles scores are used to compute different types of data in the model. For example, wages in dollars and growth in percentages. Tie scores produce tie percentiles.
J	Openings	The projected number of openings expected per year for the occupations within this CIP. If an occupation is contained in more than one CIP, its openings are distributed evenly among those CIPs. Projected openings based on 2006-2008 occupation projections.
K	Hourly Wage	The average of the wages of the occupations contained in this CIP, weighted by the number of openings in each occupation. Wages based on 2006 Occupational Employment Statistics (OES) survey.
L	O*NET Score	O*NET is an acronym for the Occupational Information Network (http://www.onetcenter.org/). This data is a measure of the skills, knowledge, and abilities required for the occupations within this CIP, weighted by the number of openings in each occupation. The numerical score for each comparative occupational descriptor in the O*NET Knowledge, Skills, and Abilities data files were summed for each occupation. See Sources note below for more information.
M	Growth Rate	The two-year projected rate of growth in employment of the occupations in this CIP, weighted by the number of openings in each occupation. This number could be negative but usually is not. Occupational growth rate is from the 2006-2008 Occupational Projections produced by the AzDES Research Administration.
N	Turnover Ratio	This is the projected number of annual openings due to growth divided by the projected number of annual openings due to replacement (like retirements, quits, promotions, etc.). Higher ratios indicate lower turnover. Based on the 2006-2008 occupational projections data.
O	BLS Education & Training Code	The job training and educational levels as assigned by the Bureau of Labor Statistics (BLS). See detailed descriptions of the BLS codes on page two of these notes. Note that higher numbers indicate lower amounts of education or training time.

Sources	
1	Openings and wage data are produced by the Arizona Department of Economic Security, Research Administration, in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics. Wages are from the 2006 OES survey, and openings are from the 2006-2008 occupational employment projections.
2	For the O-Net score, the O-Net database, www.onetcenter.org/database.html , version 11.0, was used.
3	CIP / SOC crosswalk source: National Crosswalk Service Center http://www.xwalkcenter.org/xwxwalk.html#SOCCIP
4	The education levels are from the Bureau of Labor Statistics website at ftp://ftp.bls.gov/pub/special.requests/ep/optddata/
Calculation method	
1	Hourly wages were calculated by dividing annual wages by 2080.
2	All scores were first calculated by occupation using the SOC (Standard Occupational Code). The scores for each 6-digit SOC were calculated by averaging the scores for the 8-digit SOC's that comprise each 6-digit SOC.
3	In this iteration of the TERM, there were no restrictions on the BLS Training and Educational code. Note that the lower the training and educational time requirement, the higher the code numbers (see below).
4	Statistics by CIP (Classification of Instructional Programs) (except openings) were calculated by taking an openings-weighted average of the occupations in the CIP. For occupations appearing in more than one CIP, openings were evenly distributed among the CIPs. For example, if an occupation had 30 openings and was found in 3 CIPs, that occupation would be listed as having 10 openings in each of the 3 CIPs. After the openings were distributed in this manner, the number of openings in each CIP was calculated by summing the openings for each occupation within the CIP.
5	Percentiles were calculated for each statistic shown. In case of a tie, the same percentile was assigned to all CIP's involved in the tie.
6	The following formula determined the score for each CIP: $(3 \times \text{openings percentile} + 3 \times \text{wage percentile} + \text{ONET percentile} + \text{growth percentile} + \text{ratio percentile}) / 9$
BLS Education Codes	
1	First professional degree
2	Doctoral degree
3	Master's degree
4	Bachelor's or higher degree, plus work experience
5	Bachelor's degree
6	Associate degree
7	Post-secondary vocational training
8	Work experience in related occupation
9	Long-term on-the-job training
10	Moderate-term on-the-job training
11	Short-term on-the-job training
Questions and Comments	
	Direct questions or comments to Rick Van Sickle, 602-542-6481, John Graeflin, 602-542-6492, or Don Wehbey, 602-542-3686, at Research Administration, Arizona Department of Economic Security.